



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 12] नई विल्सो, शनिवार, मार्च 24, 1979 (चैत्र 3, 1901)

No. 12] NEW DELHI, SATURDAY, MARCH 24, 1979 (CHAITRA 3, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अस्तग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 24th March 1979

CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 25th November, 1978 at Page 814, Column 2 under the heading "Complete Specification Accepted".

For the expression "The price of each specification is Rs. 8/-".

Read "The price of each specification is Rs. 2/-".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE:

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

15th February, 1979

139/Cal/79. International Standard Electric Corporation. Bridge amplifier. (November 8, 1978).

140/Cal/79. Monsanto Company. Inorganic anisotropic hollow fibers.

141/Cal/79. Kraftwerk Union Aktiengesellschaft. Valve assembly for steam turbine plants.

142/Cal/79. Siemens Aktiengesellschaft. Coordinate converter.

143/Cal/79. Siemens Aktiengesellschaft. Coordinate converter for converting first and second preset quantities.

144/Cal/79. G. M. Ivanov, V. I. Novikov and V. V. Khmelev. Device for damping oscillations.

16th February, 1979

145/Cal/79. V. Pieric. Sealing process for solar collector units.

146/Cal/79. Martin Engineering Company. Conveyor skirt and holder. (October 24, 1978).

147/Cal/79. Bunker Ramo Corporation. Telephone network/subscriber interface device.

17th February, 1979

148/Cal/79. The British Aluminium Company Limited. Casting metals. (February 18, 1978).

149/Cal/79. Continental Oil Company. Seismic transducer construction.

150/Cal/79. Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa s.p.a. A process and device for the direct conversion of radiant energy to electrical energy.

19th February, 1979

151/Cal/79. Johnson & Johnson. Layered absorbent structure.

152/Cal/79. Johnson & Johnson. New and improved absorbent structure.

153/Cal/79. Esmil B.V. Apparatus for performing physical and/or chemical processes involving at least one liquid, F.G. a heat exchanger.

154/Cal/79. BBC Brown, Boveri & Company Limited. Piston type machine. (December 11, 1978).

20th February, 1979

- 155/Cal/79. Bunker Ramo Corporation. Self-stripping electrical terminal.
- 156/Cal/79. Combustion Engineering, Inc. Fluid-bed air-supply system.
- 157/Cal/79. Combustion Engineering, Inc. Scrubber with dilution tray and increased dilution water.
- 158/Cal/79. G. C. Fields. Telephone instrument connection block with remotely actuated line test.

21st February, 1979

- 159/Cal/79. Bunker Ramo Corporation. Hermaphroditic fiber optic connector.
- 160/Cal/79. Siemens Aktiengesellschaft. Transmission apparatus for telegraph system.
- 161/Cal/79. Siemens Aktiengesellschaft. Skin effect rotor.

**APPLICATION FOR PATENTS FILED AT THE
(BOMBAY BRANCH)**

10th January, 1979

- 9/Bom/79. Polytype AG. Method and apparatus for transferring a viscous coating medium from a wetting container onto a medium conveyor.

11th January, 1979

- 10/Bom/79. B.G. Akerkar. A hollow concrete block for use in the construction of load bearing wall or walls.

15th January, 1979

- 11/Bom/79. R.L. Waghela. A multipurpose hanger for garments, papers, booklets or other articles.

16th January, 1979

- 12/Bom/79. A. H. Makija and M. H. Makija. Multipurpose cutting machine.

- 13/Bom/79. R. R. Pardasani. Improvement in or relating to cut out or fuse switch.

20th January, 1979

- 14/Bom/79. Yashmun Engineers Limited. A flushing apparatus containing an improved system for effecting partial or full flush thereof.

- 15/Bom/79. G. G. Patel. Optical attachment system to magnify cinema screen images.

- 16/Bom/79. R. P. Kothari. Pilfer-proof closure made of plastic material.

22nd January, 1979

- 17/Bom/79. M. C. Gandhi. Three piece lumbo-sacral support.

- 18/Bom/79. Garware Wall Ropes Limited. Serrated tapes of synthetic materials for the manufacture of coracles.

23rd January, 1979

- 19/Bom/79. A. S. Wagh. Precision gear drive for sizing machine—drying cylinders and squeeze rollers.

24th January, 1979

- 20/Bom/79. Pressure Cookers & Appliances Ltd. Improvements in or relating to pressure cookers and particularly safety means therefor.

- 21/Bom/79. Mail Order Sales Private Limited. Roller blind curtains.

- 22/Bom/79. P. C. Gandhi. A novel suspension system for collapsible doors suspended from guide rails.

23/Bom/79. K. D. Toraskar. A novel aerator-cum-fluid discharge nozzle.

24/Bom/79. B. S. Bapat, G.S. Bapat and S. K. Patil. Capacitance transducer automatic shut-off device for electric pump motors.

25/Bom/79. Jyoti Limited. An improved machine for decorticating mango stones.

26/Bom/79. Hwang Chuang-Ti. A toy car.

25th January, 1979

- 27/Bom/79. R. S. Hate. A novel night-lamp-cum bottle warner.

27th January, 1979

28/Bom/79. Larsen & Toubro Limited. An improved method of flux shading in a pole of a single phase magnet and a single phase magnet so flux shaded.

29/Bom/79. R. B. Vadodaria and R. T. Parikh. Drying chamber for sheet materials with direct firing heating system.

30/Bom/79. Hindustan Lever Limited. Method for preparing silica supported nickel catalyst.

**APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)**

5th February, 1979

- 22/Mas/79. Electronics Corporation of India Limited. A thyristor converter.

- 23/Mas/79. Electronics Corporation of India Limited. A thyristor converter.

6th February, 1979

- 24/Mas/79. MURUGAN & Sons. Improved rail joint.

7th February, 1975

- 25/Mas/79. K. V. Sharma. Mosquitoff.

9th February, 1979

- 26/Mas/79. S. Sudersanam. Economy in the use of timber or other material for door and window frames.

ALTERATION OF DATE

146220.

1277/Cal/77.

Ante-dated 30th July, 1976.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 102B. 146200.

Int. Cl.-F16h 41/00.

A STEPLESSLY VARIABLE SPEED HYDRAULIC DRIVING DEVICE.

Applicant & Inventor : VASANT SANTARAM GARJE, A-3, POWER HOUSE COLONY, P.O. GODAVARI KHANI, ANDHRA PRADESH, PIN-505 209, INDIA.

Application No. 84/Mas/76 filed May 6, 1976.

Complete specification left August 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims.

A steplessly variable speed hydraulic driving device comprising a housing having a first axial opening at one end and a second axial opening at the opposite end and defining an impeller chamber with an axial opening and a partial axial partition at the first said end, an impeller shaft rotatably mounted in the first opening of the housing and connectable to a gear shaft, an impeller being fixedly mounted on the impeller shaft, a driven shaft connectable to a propeller shaft and being rotatably mounted in the impeller chamber opening and in the second opening of the housing, a plurality of turbine discs of the same width and of uniformly varying diameter being mounted on the driven shaft equidistantly such that the diameter of the last turbine disc is equal to the diameter of the impeller and the diameter of the first turbine disc is equal to half the diameter of the last turbine disc, a plurality of circumferential openings of the same dimensions being provided on the driven shaft in the space defined by each turbine disc, a slidable hollow shaft one end of which is closed and the other end of which is open being provided in the driven shaft such that the open end thereof faces the impeller, a line of circumferential openings having a width equal to the width of a turbine disc being provided towards the closed end of the slidable shaft, means for limiting and controlling the movement of the slidable shaft being provided in the driven shaft and the impeller chamber opening and a fluid being provided in the housing.

CLASS 67A. 146201.

Int. Cl.-B60p 25/10.

AN ELECTRONIC AUTOMOBILE BURGLAR ALARM.

Applicant & Inventor : DAVID SHADROCK SAMPSON, OF 15, NANDIDURG EXTENSION BANGALORE-46, KARNATAKA STATE, INDIA.

Application No. 271/Mas/76 filed December 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An electronic automobile burglar alarm comprising of an alarm operated by an electronic switch connected to the automobile battery through a key operated switch, the turning on of which energises the electronic switch, the said electronic switch consisting of a differential amplifier formed by a first transistor which is emitter coupled to a second transistor, the collector of said second transistor being connected to the base of a third transistor providing gate drive to a silicon controlled rectifier having as its anode load the alarm the circuit being such that when a load is subsequently connected to the battery by the switching on of the ignition or the like, the alarm gets energised.

CLASS 133A & B. 146202.

Int. Cl.-H02p 7-36. 1/46

A SELF STARTING VARIABLE SPEED POLYPHASE A.C. MOTOR WITH OR WITHOUT D.C. EXCITATION IN THE ROTOR.

Applicant & Inventor : PANTHALA SESHA NA, OF ELECTRICAL ENGINEERING AT TECHNICAL TEACHERS' TRAINING INSTITUTE, MADRAS-600 020, INDIA.

Application No. 101/Mas/77 filed June 4, 1977.

Complete specification left September 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim.

A device for starting and controlling the speed of a synchronous motor by controlling the magnitude and phase angle of the voltages applied to the stator while the frequency of these voltages is automatically set to correspond to the motor speed, comprising a synchro mounted on the motor shaft, the single phase rotor of the synchro being excited by a carrier voltage, the output from the two phase stator of the synchro in the form of modulated signal representing the speed of the synchronous motor being fed to a phase shifter, the said signal in turn being demodulated through phase sensitive demodulators, amplified and finally the amplified signal voltages being fed to the stator windings of the synchronous motor while the rotor of the synchronous motor is connected to a d.c. supply.

CLASS 49H.

146203.

Int. Cl.-A47j 27/08.

IMPROVEMENTS IN OR RELATING TO PRESSURE COOKERS.

Applicant & Inventor : TIRUVALLUR THAITAI NARASIMHAN, OF TT(PRIVATE) LIMITED, DOORAVANI-NAGAR, BANGALORE 560016, KARNATAKA, INDIA.

Application No. 139/Mas/77 filed August 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

A pressure cooker comprising a cover and a body characterised by a continuous inwardly protruding flange of a near-circular configuration provided for the mouth of the cover; a matching continuous outwardly protruding flange, of a near-circular configuration provided for the mouth of the body, the former flange being slightly smaller than the latter flange and either or both of the flanges being provided with sealing means whereby the mouth of the cover is introduced over and around the mouth of the body in cooperating positions of the flanges and simultaneously rotated to bring the flanges in non-cooperating positions with the latter flange disposed above, and fully overlapping, the former flange, to achieve a continuous and fully fluid-tight pressure-seal thereat; and means for constraining the overlapping flanges against each other.

CLASS 174D.

146204.

Int. Cl.-B60g 11/14.

A ROUND WIRE HELICAL COMPRESSION SPRING, PARTICULARLY FOR USE IN MOTOR VEHICLES.

Applicant : GEBRUDER AHLE, OF 5251, KARLSTAHL, WEST GERMANY.

Inventor : ARTHUR BORLINGHAUS.

Application No. 184/Cal/76 filed February 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A helical compression spring particularly for use in motor vehicles coiled from wire of circular section and having a spring rate which progressively rises in part of the deflection range comprising two or more integrally connected spring portions of which one is an end portion consisting of truncated cone adjointed either by a cylindrical portion having a constant wire diameter or by another truncated conical end

portion, the said cylindrical portion when present being either an end portion or being adjoined by a further truncated conical end portion, and wherein the or each truncated conical end portion has the largest diameter turn thereof constituting an end of the spring, the or both said truncated conical portions being formed of wire of non-uniform diameter, and wherein the turns of the or each truncated conical portion when compressed under a sufficiently high load form a flat spiral; and wherein the diameter of the wire of the or each truncated conical portion increases from the associated effective end of the spring until it exceeds the diameter of wire at the end of the truncated conical portion remote from the said effective end and thereafter decreases such that at the said remote end of the truncated conical portion the diameter of the wire is equal to that at the adjoining end of the adjoining spring portion.

CLASS 64A.

146205.

Int. Cl.-H01r 39/60.

CIRCUIT INTERRUPTERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : RAYMOND EDGAR WIEN, EUGENE HERBERT SEIDLING AND NICHOLAS ALBERT TOMASIC.

Application No. 1444/Cal/76 filed August 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A circuit interrupter comprising a first stationary contact, a second stationary contact separated from said first stationary contact, bridging contact means, an elongated contact arm, connected to said bridging contact means and pivotal about an axis between a closed position and an open position wherein said bridging contact means completes an electric circuit between said first stationary contact and said second stationary contact insulating means connected to the free end of said elongated contact arm to support said bridging contact means in an insulating relationship from said elongated contact arm, primary latch means connected to said elongated contact arm having a latching position latching said elongated contact arm in the closed position, a secondary latch having a latched position keeping said primary latch means in the latching position, and bimetal actuating means responsive to current flow for unlatching said secondary latch when current flow through the circuit interrupter exceeds a trip level for a predetermined period of time whereby said primary latch is released and said elongated contact arm can move to the open position.

CLASS 129A & C & M.

146206.

Int. Cl.-E21b 9/00.

BIT HOLDERS AND METHOD OF MANUFACTURE OF THE SAME.

Applicant : GEREINIGTE OSTERREICHISCHE EISEN-UND STAHLWERKE ALPINE MONTAN AKTIENGESELLSCHAFT, OF 1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : HERWIG WRULICH AND OTTO SCHEINA.

Application No. 1844/Cal/76 filed October 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A bit holder consisting of steel to be welded to the cutting head of a cutting machine, said bit holder comprising a bore for accommodating a bit shaft, the bit holder consisting of a part of heat-resistant steel of high strength which includes said bore and of a foot consisting of an unalloyed or low alloy steel of good weldability, said part and said foot being welded together over the whole contacting area between said part and said foot.

CLASS 113D.

146207.

Int. Cl.-F21d 1/00.

PORTABLE ELECTRIC LAMP.

Applicant : OLDHAM & SON LIMITED, OF NELSON STREET, DENTON, MANCHESTER M 34 3AT, ENGLAND.

Inventor : HAROLD MORTON.

Application No. 2072/Cal/76 filed November 18, 1976.

Convention date December 22, 1975/(52385/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A portable electric lamp comprising a body including a lens, a lens holder, a reflector, and a bulb holder connectable through switching means with a source of electric power, wherein a translucent diffuser sleeve provided with slots is co-axial with and surrounds the bulb holder and is associated with drive means operable to effect axial movement of the diffuser sleeve relative to the bulb holder between a retracted position thereof at which a bulb held in the bulb holder is arranged to direct a spot beam through the lens and a forward position at which light from the bulb is diffused by passage through said diffuser sleeve.

CLASS 186E.

146208.

Int. Cl.-H04r 5/50.

A TURRET TYPE MEMORY FINE TUNING ARRANGEMENT USED TELEVISION.

Applicant : NEW NIPPON ELECTRIC COMPANY LTD., OF 2 UMEDA, KITA-KU, OSAKA, JAPAN.

Inventors : TAKEYOSHI TANIDA AND MICHIKI NARIHIRO.

Application No. 326/Cal/77 filed March 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A turret type memory fine tuning arrangement used for television, wherein a rotatable turret is supported in a chassis, and includes a plurality of tuning coil units corresponding to different television channels each having an adjustable element, a memory fine tuning arrangement for selectively adjusting said adjustable elements dependent upon the position of said rotatable turret, wherein a fine tuning shaft is supported relative to the chassis, wherein a pivotally mounted member on said chassis is normally biased by spring means in the direction toward said fine tuning shaft, wherein a first driving gear is mounted on said fine tuning shaft and a second driving gear is mounted on said pivotally mounted member, wherein clutch-coupling means are responsive to a force exerted on said fine tuning shaft for permitting movement of said pivotally mounted member from a first position to a second position for engagement of one of said adjustable elements and said second driving gear to adjust said adjustable element of a selected one of said tuning coil units, said first position of said pivotally mounted member being out of engagement so as to permit rotation of said turret, and wherein said pivotally mounted member includes a lever plate, a pivotal shaft at one end of said lever plate, and an idler shaft at the other end of said lever plate, said pivotal shaft having a body portion, a head portion and a neck portion, said neck portion being pivotally secured to a notch formed on the chassis base.

CLASS 163C.

146209.

Int. Cl.-B23p 19/00.

PNEUMATIC NUT RUNNER HAVING A DIRECTIONAL VALVE AND AN AIR REGULATOR.

Applicant : CHICAGO PNEUMATIC TOOL COMPANY, OF 6 EAST 44TH STREET, NEW YORK, N.Y., UNITED STATES OF AMERICA.

Inventor : EDWARD FRANKLIN SPRING, SR.

Application No. 1489/Cal/76 filed August 16, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A pneumatically powered nut running tool comprising a reversible rotary air motor, a throttle valve, a flow direction control valve for supplying air to either a forward or reverse drive chamber of the motor, and a manually operable flow regulating unit which includes a regulating valve and a by-pass valve for selectively bypassing the regulating valve, the by-pass valve being adjustable between first and second operative positions and the regulating valve adjustable between a first position in which the by-pass valve provides, in either its first or second operative position, a full flow of air from the throttle valve to the flow direction control valve, and a second position in which the by-pass valve provides the said full flow of air in its first operative position and a restricted flow of air in its second operative position.

CLASS 144A.

146210.

Int. Cl.-C23d 5/00.

IMPROVEMENTS IN OR RELATING TO CONTINUOUS ENAMELLING PROCESS ON METALLIC FOILS.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, 18-20, KASTURBA GANDHI MARG, NEW DELHI-11, INDIA, THROUGH CORPORATE RESEARCH AND DEVELOPMENT UNIT, SECUNDERABAD, ANDHRA PRADESH, INDIA AND BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL, MADHYA PRADESH, INDIA.

Inventors : S/SHRI PRABHAKAR GAJANAN AGASHE, SHAIK AMEERJAN, NANDURI SURYA NARAYANA MURTHY AND RAMESH CHANDRA MISRA.

Application No. 1805/Cal/76 filed September 29, 1976.

Complete Specification left December 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims.

An improved process for obtaining very uniform enamel coating on thin metallic foils, both at the edges and the flat surfaces, which comprises passing a length of metallic foil through a column of varnish to be coated on the foil to obtain a partial thickness of the desired coating thickness on the flat surfaces, curing the varnish so coated by heating the coated foil, cooling the foil to room temperature characterised in that the so coated foil is subjected to an etching treatment in an acid or alkaline bath to make the foil edges receptive to varnish coating followed by subjecting the foil so obtained to another step of varnish coating and curing as detailed above to obtain the desired coating thickness on the flat surfaces and to obtain coated edges.

146211.

Int. Cl.-C07d 31/34.

PROCESS FOR THE PREPARATION OF HYDROXYMETHYL-PYRIDINE ESTERS.

Applicant : RICHTER GEDEON VEGYESZELI GYAR R.T., OF 21 GYOMROI U., BUDAPEST X, HUNGARY.

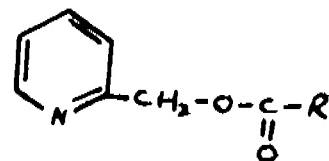
Inventors : DR. FERENC NOTEISZ, DR. MIHALY BARTOK, DR. KAROLY FELOIDI, DR. EGON KARPATI, AND DR. LASZLOSPORNY.

Application No. 1467/Cal/77 filed October 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

< 7 Claims.

A process for the preparation of hydroxymethylpyridine esters of the general formula I.



wherein R represents a 9-xanthenyl group or a phenyl group substituted by a halogen atom, by a trifluoromethyl group or by an alkyl or alkoxy group both having 1 to 4 carbon atoms, which comprises acylating a hydroxymethyl pyridine of the general formula II.



with an acylating agent selected from the group of a carboxylic acid of the general formula R-COOH, or a reactive derivative, such as herein defined, thereof, in which R has the same meaning as above to produce the desired product of general formula I as defined above, and, if desired, converting the product into pharmaceutically acceptable quaternary salt by known methods.

CLASS 39E.

146212.

Int. Cl.-C01b 25/16.

A PROCESS FOR PREPARING STABILIZED RED PHOSPHORUS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : HORST STAENDEKE, FRANZ-JOSEF DANY, JOACHIM KANDLER, THEODOR AUEL AND WERNER KLOSE.

Application No. 834/Cal/77 filed June 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A process for preparing stabilized red phosphorus consisting of a homogeneous blend of red phosphorus particles with a size of at most 2 mm and a metal compound of the second or third group of the Periodic System as an oxidation stabilizer, which comprises; intimately blending the red phosphorus particles with 0.5 to 5 weight %, based on red phosphorus, of an alkyl-, cycloalkyl-, aryl- or aralkyl-phosphonic acid having 1 to 20 carbon atoms; suspending the blend in water and heating the resulting suspension to 60 to 95°C; gradually admixing the suspension with at least stoichiometric proportions of an aqueous solution of a water-soluble aluminium, magnesium, calcium or zinc salt to cause precipitation of the respective phosphonic acid salt from the aqueous suspension at a pH of 3.0 to 6.0; filtering the resulting aqueous suspension and drying the filter residue at elevated temperature and, if desired, under reduced pressure.

CLASS 123.

146213.

Int. Cl.-C05c 9/02.

A PROCESS FOR PREPARING SLOW ACTING UREA FERTILISER AND SLOW ACTING UREA FERTILISER PREPARED THEREBY.

Applicant & Inventor : DR. NARAYANAN SUBRAMONEY, T.C. 9/1148/2, SASTHAMANGALAM, TRIVANDRUM-695010, KERALA AND KRISHNA IYER RAMANATHAN, 27/3/28, RAMAN PILLAI STREET, RAMAVARMAPURAM, NAGERCOIL-629 001, TAMIL NADU, INDIA.

Application No. 263/Mas/76 filed December 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims. No drawings.

A process for preparing slow acting urea fertiliser, comprising coating the urea granules with cashewnut shell liquid resin and blending the coated granules with neem/mahua/rubber oil cake powder.

CLASS 128E. 146214.

Int. Cl.-A61b 17/34, A61n 1/00.

A SYSTEM FOR MUSCLE STIMULATION AND ACU PUNCTURE POINT DETECTION.

Applicant & Inventor : BISSAJIT PODDAR, SOUTH OF KALPUKUR P.O. BARASAT, DIST-24 PARGANAS, WEST BENGAL, INDIA.

Application No. 1019/Cal/77 filed July 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A system for muscle stimulation and acu puncture point detection comprising a blocking Oscillator producing low frequency Faradic wave (2) the saw wave modulator (3), which with the help blocking Oscillator & astable modulator produces saw wave of high amplitude; and the light emitting diode probe which with the help of electronic switch and blocking oscillator detects some superficial acu puncture points.

CLASS 179G. 146215.

Int. Cl.-B67b 3/02, 7/02.

RETRACTABLE POURING SPOUT CLOSURE.

Applicant : AMERICAN FLANGE & MANUFACTURING CO. INC., OF 1100 WEST BLANCKE STREET, LINDEN, NEW JERSEY 07036, U.S.A.

Inventor : DAVIS BLAIR DWINELL.

Application No. 1721/Cal/76 filed September 17, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A retractable pouring spout closure for dispensing liquid products from containers comprising an annular nozzle molded of synthetic plastic material, said nozzle defining an axial dispensing throat having a zone of reduced internal diameter, an integrally formed sealing diaphragm closing off said throat, a retractable pouring spout having a circumferential lip at its upper end, said upper end being housed within said nozzle throat in stored position forming an axial passage between said spout and said nozzle reduced diameter zone and a cylindrical wall formed on the undersurface of said sealing diaphragm for closing off the uppermost end of said spout whereby initial dispensing from the container requires breaking of said diaphragm seal prior to the opening of said spout upper end by the axial withdrawal of said cylindrical wall with said spout in stored position.

CLASS 6B₄ & 40F. 146216.

Int. Cl.-B01d 11/00, 47/00, C10k 1/16.

A PROCESS FOR THE PURIFICATION OF PRESSURISED FUEL GASES CONTAINING HEAVY METAL COMPOUNDS.

Applicant : VEBA-CHEMIE AKTIENGESELLSCHAFT, POWIKERSTRASSE 30, 4660, GELSENKIRCHEN-BUER, FEDERAL REPUBLIC OF GERMANY.

Inventors : DR. BERD BOHMHOLDT, DR. GUNTER DEININGER, DR. OTTO GERLACH, WINFRIED HAHN, WILHELM HUWELS.

Application No. 281/Cal/77 filed February 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for the purification of pressurised gases emanating from the cracking of a fuel which contains heavy metal compounds, by a single-stage or multistage low temperature gas scrubbing operation at from -60° to 0°C using a polar organic solvent such as herein described to form a solution containing the gases followed by a degasification of the solvent by pressure reduction evacuation, driving off, and heating, the process being performed so that before the solution enters a degasification column forming part of the gas scrubber the heavy metal compounds present in the solution are precipitated by heating the scrubbing liquid, or optionally a part thereof, in a preliminary reactor at from 70 to 250°C for at least 0.25 hour at a pressure higher than the vapour pressure of the scrubbing liquid and removing the precipitate.

CLASS 68E₁ & E₂. 146217.

Int. Cl.-G05f 1/00.

THREE-PHASE TRANSFORMER FOR FEEDING SEMI-CONDUCTOR RECTIFIERS.

Applicant : PROIZVODSTVENNOE OBJEDINENIE "URALELEKTROTYAZHMASH", OF D. 40 SVERDLOVSK, USSR.

Inventors : YAKOV LVOVICH FISHLER, VLADIMIR VASILEVICH PAVLOV, LJUDMILA MIKHAILOVNA PESTRYAEVA AND VLADIMIR STEPANOVICH SHUN-YAKOV.

Application No. 505/Cal/77 filed April 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A three phase transformer for feeding semiconductor bridge rectifiers which secures a higher power factor of the said transformer and rectifier and to cut down the amounts of active materials required in the transformer owing to reduction of inductive switching resistance by means of an arrangement of parts and their connections, in which at least two three phase windings disposed concentrically on a three-bar core are divided into an even and equal number of parts placed along a core axis, the number of which is at least four, and in which one winding connected to a supply source has its parts connected in parallel, while in the other winding connected to rectifiers, the phase of one half of the parts are delta connected, and the phases of the other half of the parts are star-connected, with alternation of the star and delta connections.

CLASS 32E₄b. 146218

Int. Cl.-C07d 49/36.

A PROCESS FOR THE PRODUCING TERTIARY IMIDAZOLYL ALCOHOLS.

Applicant : NORDMARK-WERKE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG HAMBURG, WERKE UETERSEN/HOLSTEIN IN D-2082 UETERSEN, GERMAN FEDERAL REPUBLIC.

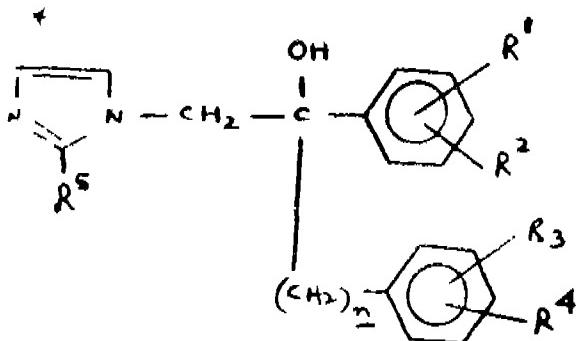
Inventors : DR. PETER SCHARWACHTER, DR. KLAUS GUTSCHE, DR. WILHELM KOHLMANN, DR. YORK HARTLEBEN AND DR. WOLFGANG HEBERLE.

Application No. 714/Cal/77 filed May 12, 1977.

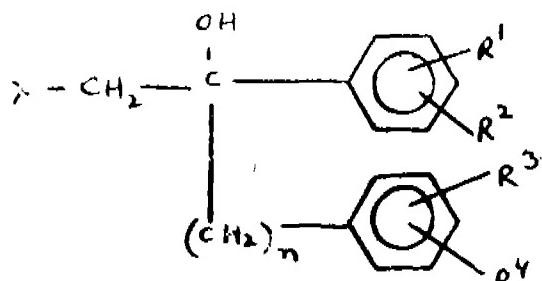
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

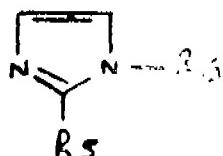
A process for producing compounds corresponding to the general formula (I).



in which R¹, R², R³ and R⁴, which may be the same or different, represent hydrogen, halogen, lower alkyl groups with 1 to 4 carbon atoms or lower alkoxy groups with 1 to 4 carbon atoms. R⁵ represents hydrogen or lower alkyl groups with 1 to 3 carbon atoms and n is an integer of 0 or 1, and their pharmacologically compatible salts with the usual acids, wherein a compound corresponding to the general formula IV.



in which R¹, R², R³, R⁴ and n have the same meaning as in general formula (I) and X represents halogen, is reacted with an imidazole corresponding to the general formula VA.



in which R⁵ has the same meaning as in general formula (I) and R⁶ is a halogen binding radical selected from H or alkali metal optionally in the presence of a conventional acid-binding agent and/or in the presence of a diluent such as herein described and the compound obtained is optionally converted in a conventional manner into a pharmacologically compatible salt with one of the usual acids.

CLASS 37A.

146219.

Int. Cl.-B01d 45/12, B04c.

PROCESS AND APPARATUS FOR THE REMOVAL OF LIQUID TO SOLID IMPURITIES FROM HOT EXHAUST GAS OBTAINED IN A COAL PRESSURE GASIFICATION UNIT.

Applicant : FRIEDRICH UHDE GMBH, OF 46 DORTMUND 1 DEGGINGSTR. 10-12, WEST GERMANY.

Inventor : HANS-DIETER MARSCH.

Application No. 1102/Cal/77 filed July 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for the removal of liquid to solid impurities from hot exhaust gas obtained in a coal pressure-gasification unit, the gas being fed to a cyclone, characterized in that the impurities removed from the cyclone stream are heated, until their entry into the quench fluid, by supplying external heat which maintains them in liquid state.

CLASS 32F, & 55D^a.

146220.

Int. Cl.-A01n 9/00, C07d 27/10.

PROCESS FOR PRODUCING DIPHENYL ETHER AMIDES.

Applicant : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : DON ROBERT BAKER.

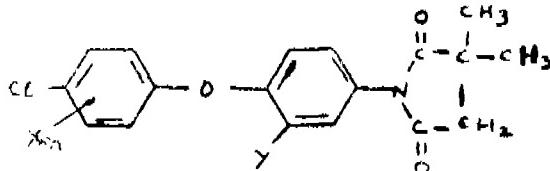
Application No. 1277/Cal/77 filed August 17, 1977.

Division of Application No. 1363/Cal/76 filed July 30, 1976.

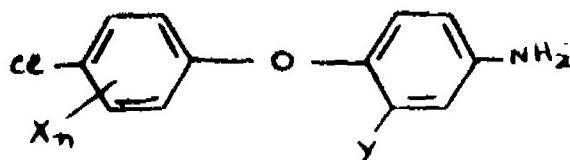
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for producing a compound having the general formula shown in Fig. 1.



in which X is chloro or methyl; n is 0, 1 or 2; and Y is chloro or trifluoromethyl, comprising reacting a phenoxy aniline having the formula shown in Fig. 2.



in which X, Y and n are as defined above with 2, 2-dimethylsuccinic acid in an acid medium generally at a temperature of about 140°C and above.

CLASS 103.

146221.

Int. Cl.-F161 58/00.

METHOD FOR PROTECTING THE INTERNAL SURFACE OF TUBULAR MATERIALS FROM CORROSION AND RUSTING.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20 KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA.

Inventors : ATTIGUPPA SIVASANKARAO NAGABHUSHANA RAO AND SRINIVAS MAHADEVAN.

Application No. 176/Del/77 filed July 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

A method for protecting the internal surface of tubular materials from corrosion and rusting which comprises subjecting the internal surface of the tubular material to the protective action of volatile corrosion inhibitor comprising the following 4 constituents :—

- Meta-Dinitro Benzene,
- Sodium Benzoate,
- Sodium Nitrite, and
- Stearic Acid.

CLASS 33A.

146222.

Int. Cl.-B22c 11/00, 13/00.

A METHOD OF MOULDING AND CASTING ARTICLES.

Applicant & Inventor : NAVNITLAL PURSHOTTAMDAS SHAH, OF NEAR EXCISE CHOWKY, DR. VIKRAM SARABHAI ROAD, ELLISBRIDGE, AHMEDABAD-380006, (GUJARAT STATE) INDIA.

Application No. 47/Bom/75 filed February 24, 1975.

Complete Specification left May 24, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

11 Claims.

A method of moulding and casting wherein the steps comprises of :

- (a) applying an adhesive on top plate sand surface and pressing a wooden board on one end of the patterns and filling with CO_2 sand in cavity putting tor bar at the edges of the patterns and then rammed and hardened;
- (b) bringing the slide of the core wall forming unit away from the outer surface of mould wall ring section already formed;
- (c) filling core wall section with sand in the cavity formed in between the two patterns, then rammed and hardened;
- (d) cleaning the pattern surface from wall surface and the top plate rotated to a distance which is short from the next core wall forming sections;
- (e) again applying adhesive and reinforcing done by tor bars sand is filled and the next pattern is done with coating applied to the cavity surface which is alcoholic graphite;
- (f) then lowering the top plate by the hydraulic ram it is stopped in a position where it touches the previously made patterns and the mould wall section is then formed;
- (g) then further lowering the top plate by the hydraulic ram vented pipe are inserted to form the runner, riser cavities wherein sand is filled and rammed and ignited to harden;
- (h) then the top core which is preformed is placed on the mould wall and fixed by adhesive and coated with alcoholic graphite;
- (i) the top box having riser, runner and vented cavity is placed on the mould top, said top box is pre-made and then the mould is complete;
- (j) casting operation is then performed.

CLASS 132C.

146223.

Int. Cl.-B02c 17/00.

VIBRATING CUM SHAKING DEVICE FOR CONTAINERS.

Applicant & Inventor : MADHUSUDAN LAXMINARAYAN RATHI, 27, SHANKAR SHET ROAD, POONA-411 009, MAHARASHTRA STATE, INDIA.

Application No. 203/Bom/76 filed June 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

1 Claim.

Vibrating cum shaking device for containers comprising a sturdy frame work on the base of which there is mounted an electric motor with a pulley, a shaking mechanism comprising a main horizontal shaft on two ends of which there is provided an arrangement for securely holding two closed containers, a central hub securely connected to the main shaft, the said central hub having a ball-bearing with a single ball having a cavity, another crank shaft at right angle to the said main shaft having an eccentric stud on one end a pulley on the other, the said stud being fixed in the hollow portion of the said single ball of the said ball bearing; when the motor rotates the pulley of the said crank shaft having an eccentric stud it is set in a vibrating cum shaking action resulting in speedy thorough mixing of the contents of the said containers, the two containers can further be clamped in an angular position so as to have still better vibrating and shaking action.

CLASS 126B & D.

146224.

Int. Cl.-G01n 27/00, 33/00.

A D.C. OPERATED ELECTRONIC PROXIMITY SENSOR DEVICE.

Applicant : TATA ENGINEERING AND LOCOMOTIVE COMPANY LIMITED, OF BOMBAY HOUSE, 24, HOMI MODY STREET, FORT, BOMBAY-400023, INDIA.

Inventors : VIJAY ANANT KALGAONKAR AND CHITTUR SUBRAMANIAN VENKATRAMAN.

Application No. 252/Bom/77 filed August 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A d.c. operated electronic proximity sensor device comprising an oscillator having a transistor and a tank circuit the primary coil of which tank circuit functions as a sensor element; a level detector connected to the output of said oscillator; a level comparator-cum-amplifier comprising a voltage regular integrated circuit connected to the output of said level detector; and an output transistor for switching ON or OFF a load connected thereto, said output transistor being connected to the output of said level comparator-cum-amplifier.

PATENTS SEALED

141141 141978 142881 142937 143832 143859 143860 143946

CLAIM UNDER SECTION 20(1) OF THE PATENTS

ACT, 1970

Notice is hereby given that the claim made by Albert Rennemann under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 143804 (609/Cat/75) in his name has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler in respect of patent application No. 144289 as advertised in Part III, Section 2 of the Gazette of India, dated the 26th August, 1978 have been allowed,

CHEMICAL LIST NO. V

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1977 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No.	Date o. f Patent	Name and address of Patentee	Brief title of the invention
1	2	3	4	5
1.	131044	20-4-1971	GENERAL ELECTRIC CO., 1, River Road, Schenectady, New York, United States of America.	Producing sintered cobalt-rare earth intermetallic product.
2.	131046	-do-	SHINETSU CHEMICAL Co., 4/2, Manno-uchi, 1-chome, Chiyoda-ku, Tokyo, Japan.	Preparing polyvinyl chloride by suspension polymerisation.
3.	131090	23-4-1971	RHONE-POULENE INDUSTRIES, 22 Avenue Montaigne, Paris, France.	Preparing chloride and alkali phosphate solutions.
4.	131119	26-4-1971	SNAM PROGETTI S.p.A., of 16 Corso Venezia, Milan, Italy.	Product of unsaturated nitriles.
5.	131159	28-4-1971	HOECHST AKTIENGESELLSCHAFT, of 45 Brunning strasse, Frankfurt/Main Federal Republic of West Germany.	Preparation of polymerisation catalyst.
6.	131205 *	3-5-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, of Imperial Chemical House, Millbank, London SW1P 4 QG England	Separating acid gases.
7.	131215	4-5-1971	SOLWAY & CIE, of 33, Rue du Prince Albert, B/1050, Brussels, Belgium.	Polymerisation of olefins.
8.	131224	20-4-1972	HOECHST AKTIENGESELLSCHAFT, of 6230, Frankfurt/Main 80, West Germany.	Preparation of benzodiazepines.
9.	131235	4-5-1971	CENTRAL GLASS CO. LTD., of 5253, Daza Okinbe, Ubeshi, Yamaguchi-ken, Japan.	Production of high quality synthetic Coyolite
10.	131248	5-5-1971	SANKYO, CO. LTD., 1-6, 3-chome, Nihonbashi, Honcho, Chou-ku, Tokyo, Japan.	Soil fungicides.
11.	131282	7-5-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Carel Van Sylandtlaan 30, The Hague, The Netherlands.	Apparatus for manufacture of Sulphur
12.	131286	-do-	FARBWERKE HOECHST AKTIENGESELLSCHAFT, of 45 Brunning strasse, Frankfurt/Main 80, Federal Republic of Germany.	Preparation of benzoxanthene and benzoxanthene dyestuffs.
13.	131287	do.	FARBWERKE HOECHST AKTIENGESELLSCHAFT, of 45 Brunningstrasse, Frankfurt/Main 80, Federal Republic of Germany	-do-
14.	131299	8-12-1971	HINDUSTAN LEVER LIMITED, at 165-166, Backbay Reclamation, Bombay 400020.	Preparing a nickel hydrogenation catalyst.
15.	131386	17-5-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Epoxidising olefins with hydroperoxide for producing oxirane compounds.
16.	131405	18-5-1971	INCO EUROPE LIMITED, of Themes House, Millbank, London, SW1P. England.	Treatment of corrosion resistant chromium containing alloys.
17.	131432	20-4-1972	JANSSEN PHARMACEUTICA, Turnhoutsebaan, 30, Beerse, Belgium.	Preparation of 2, 2 diacyl-4-(4'-acyl-4'-hydroxy-piperididinyl)butyremides.
18.	131450	do-	AMERICAN HOME PRODUCTS CORPORATION, of 685 Third Avenue, New York, New York-0017, U.S.A.	Preparing benzobicycloalkane amines.
19.	131452	7-2-1972	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Preparation of linalool.
20.	131458	22-5-1971	SNAMPROGETTI S.p.A. of 16 Corso Venezia, Milan, Italy.	Dehydrating ammonia synthesis gases.

1	2	3	4	5
21.	131468	24-5-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Carel Van Bylandtlaan 30, The Hague, Netherlands	Catalytic polymerisation of olefins.
22.	131469	-do-	-do-	Isomerisation of alkylaromatic hydrocarbons.
23.	131471	-do-	CHEMICAL CONSTRUCTION CORPORATION, of 320 Park Avenue, New York-22, State of N. Y., (U.S.A.)	Urea synthetic.
24.	131485	20-4-1972	IMPERIAL CHEMICAL INDUSTRIES LIMITED of Imperial Chemical House, Millbank, London, SW1, England.	Manufacture of alkanolamine derivatives.
25.	131509	27-5-1971	EXPLOSIVES AND CHEMICAL PRODUCTS LIMITED, of 31-35, Wilson Street, London, EC2, England.	Blasting explosives composition and a process for preparing the same.
26.	131518	28-5-1971	EISENWERK GESELLSCHAFT MAXI-MILIANSHUTTE m. b. H. of Sulzbach Rosenberg Huttle, West Germany.	Method and converter for refining pig iron.
27.	131533	29-5-1971	SIMMS MOTOR UNITS LIMITED, of East Finchley, London, England.	Liquid fuel injection pumping apparatus.
28.	131552	31-5-1971	HOECHST AKTIENGESELLSCHAFT of 45 Brunnengasse, Frankfurt/Main 80, Federal Republic of Germany.	Manufacture of acylacetyl acid aryl amides.
29.	131567	2-6-1971	RYOSIKE ENYA, 3620 Shinichie Murozumi Cho, thikari city Japan.	Making calcium carbide.
30.	131663	20-4-1972	BRISTOL-MYERS COMPANY, at 345 Park Avenue, New York, United States of America.	Preparation of 7 acyl amido-3-methylceph-3-em-4-carboxylic acid.
Preparation of 7 acyl amido-3-methylceph-				
31.	131664	-do-	BRISTOL-MYERS COMPANY, at 345 Park Avenue, New York, State of New York, U.S.A.	Preparation of cephalesin.
32.	131684	11-6-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank London S. W. 1, England.	Non-woven continuous filament materials.
33.	131696	14-6-1971	NORTON COMPANY, 1 New Bond Street, Worcester, Massachusetts, U.S.A.	Coated abrasive materials.
34.	131725	15-6-1971	JMIRICO, of Prof. Dr. Sc. h. c. Hart Heine Imhausen, hahn, Hochster, 8 West Germany.	A polymerisation process and a polymerisation reaction for carrying out the process.
35.	131782	18-6-1971	UOP INC., at 10 UOP Plaza Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Black oil conversion process.
36.	131796	-do-	DR. C. OTTO & COMP GMBH, Postfach 1849/1850, 463 Bochum, West Germany	Rich gas fired regenerative coke oven.
37.	131808	21-6-1971	RHONE-POULENC INDUSTRIES, of 22 Avenue, Montaigne, Paris, France.	Manufacture of carbon disulphide with recovery of sulphur.
38.	131809	-do-	-do-	-do-
39.	131810	-do-	UOP INC., at 10 UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Solvent recovery process.
40.	131829	22-6-1971	UGINE KUBLMANN, of 10 Rue de General Fey, Paris, France.	Manufacture of concentrated nitric acid.
41.	131834	-do-	ELI LILLY & CO., of 307 East Mc. Carty Street, Indianapolis, Indiana, U.S.A.	Preparation of tetrazole (1.5 a) quinolines.
42.	131894	28-6-1971	HALDOR FREDERIK AXEL TOPSOE, of Frydenlundsgade, 2950 Vedback, Denmark.	Endothermic catalytic processes and apparatus therefor.
43.	131896	-do-	TEXACO DEVELOPMENT CORPORATION, of 135 East, 42nd Street, New York New York-10017, U.S.A.	Partial oxidation for process producing synthesis gas.
44.	131913	29-6-1971	METALLGESSELLSCHAFT AG., of 16 Frankfurt AM Renterweg 14, West Germany.	Production of aluminium fluoride.
45.	131938	30-6-1971	HOECHST AKTIENGESELLSCHAFT, of 45 Brunnengasse, Frankfurt/Main 80, Federal Republic of Germany.	Dye-stuff dispersions and process of preparing the same.
46.	131939	-do-	-do-	Preparing water soluble metalliferous diazo dyestuffs.
47.	131954	1-7-1971	USS ENGINEERS AND CONSULTANTS INC., of 525, William Penn Place, Pittsburgh, State of Pennsylvania U.S.A.	Determining the oxygen content of a fluid comprising gas, molten metal or liquid.

1	2	3	4	5
48.	131968	2-7-1971	HOFCHST AKTIENGESELLSCHAFT, of 45 Brunnengasse Frankfurt/Main, Federal Republic of Germany.	Manufacturing novel water soluble mono-azo dyestuffs.
49.	131994	20-4-1972	The WELLCOME FOUNDATION LTD., of 183-193 Euston Road, London, N.W.1, England.	Synthesis of pteridines.
50.	131995	3-5-1971	FIERRO ESPONJA S.A. AVENIDA LES ANGOLAS, at oriente Monterrey, N. 4 Mexico.	Reducing particulate metal oxcs.
51.	132005	6-7-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, of Imperial Chemical House, Millbank, London, S. W. 1, England.	Production of benzene and hydrogen.
52.	132031	8-7-1971	HOFCHST AKTIENGESELLSCHAFT, of 45 Brunnengasse Frankfurt/Main, Federal Republic of Germany.	Manufacture of fast dyeing or printing's on fibre materials containing cellulose.
53.	132034	-do-	VEB FILMFABRIK etc. of Friedenshager strasse, 117 Berlin, Kopenik, East Germany.	Production of photographic emulsions.
54.	132046	9-7-1971	UOP INC., at 10 UOP Plaza—Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	High octane unleaded gasoline products.
55.	132048	-do-	-do-	Solid phosphoric acid catalyst.
56.	132059	-do-	SNAMPROGETTI S.p.A., of 16 corso Venezia, Milan, Italy.	Production of carboxylic acid.
57.	132060	-do-	-do-	Pyrolysis of amido carboxylic acid derivatives.
58.	132092	20-4-1972	IMPERIAL CHEMICAL INDUSTRIES LIMITED, of Imperial Chemical House, Millbank, London SW1, England.	Fermentation using micro-organisms.
59.	132093	-do-	SOCIETE BERRI-BALNAC, of 11 bis, Rue Balzae, 75 Paris, France.	Preparation of uorpinane derivatives.
60.	132115	-do-	ELILILLY & CO., 740 South Alabama Street Indiana Poilis, Indiana, U.S.A.	Preparing novel cephaloxin salt.
61.	132144	16-7-1971	KENNEDY COPPER CORPORATION, of 161 East, 42nd Street, New York, N. Y. 10017, U.S.A.	Extrusion of copper and nickel from manganese nodules.
62.	132145	-do-	-do-	Recovery of copper, nickel, cobalt and molybdenum from complex ores.
63.	132146	-do-	-do-	Extracting metal values from deep sea nodules.
64.	132192	21-7-1971	UNITED STATES STEEL CORPORATION, of 525 William Penn Place and also at 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Cement Clinkers and method of making the same.
65.	132216	23-7-1971	ANN SEALED POWER CORPORATION, of 2001, Sanford Str., Muskegon Michigan, 49443, U.S.A.	Improvements in the manufacture of Spacer-expanders.
66.	132232	24-7-1971	UOP, INC., at 10 UOP Plaza—Algonquin and Mt. Prospect Roads, Des Plaines Illinois, U.S.A.	Removal of selected components of gas stream by absorption.
67.	132235	-do-	USS ENGINEERS AND CONSULTANTS INC., of 600 Grant Str. Pittsburgh, State of Pennsylvania, U.S.A.	Soaking pit.
68.	132263	27-7-1971	OSTERREISCHISCHE-AMERIKANISCHE MAGNESIT AKTIENGESELLSCHAFT, of Badenstein, Carinthia, Australia.	Production of sintered refractory materials.
69.	132268	-do-	JOHNSON & JOHNSON, of 501 George Str. New Brunswick, New Jersey, U.S.A.	Method of applying synthetic resin binder to porous materials.
70.	132282	28-7-1971	THE LUBRIZOL CORPORATION, of Cleveland, Ohio 44117, U.S.A.	Composition containing acrylamido alkalisulphonate polymers.
71.	132284	-do-	TEXACO DEVELOPMENT CORPORATION, of 135, East 42nd Str. New York, New York 10017, U.S.A.	Process for producing lubricant containing polymeric products.
72.	132285	20-4-1972	TAKEDA CHEMICAL INDUSTRIES, of 27 Dosha-Machi-2-Chome Higashi-ku, Osaka, Japan.	Process for the preparation of cephalosporin derivatives.
73.	132288	30-3-1970	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Isopropylidineaminoethanol salt of p-nitrobenzene sulphonyl urea and its preparation.

1	2	3	4	5
74.	132309	20-4-1972	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	A process for preparing an instant tea powder.
75.	132355	3-8-1971	HOECHST AKTIENGESELLSCHAFT, of 45 Brunningstrasse, Frankfurt/Main, Federal Republic of Germany.	Process for the preparation of water soluble monoazo dyestuffs.
76.	132370	20-4-1972	PFIZER INC., of 235 East, 42nd Str, New York, State of New York, U.S.A.	Production of amines,
77.	132423	1-7-1972	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-1, India.	An electrolytic process for internal colour anodising of aluminium & its alloys.
78.	132447	10-8-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, of Imperial Chemical House, Millbank, London SW1 England.	Manufacture of bipyridyls.
79.	132454	-do-	E. J. DU POINT ETC., at Wilmington, Delaware, U.S.A.	Emulsion type blasting agent.
80.	132456	-do-	TEXACO DEVELOPMENT CORPORATION, of 135 East, 42nd Str, New York 10017 State of New York, U.S.A.	Production of carbon monoxide and hydrogen by direct partial oxidation of liquid hydrocarbon.
81.	132465	11-8-1971	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Antiperspirant composition and process for preparing them.
82.	132486	12-8-1971	ALCAN RESEARCH AND DEVELOPMENT LIMITED, of 1, Place Ville Marie, Montreal 101, Quebec, Canada.	Method of treating used carbon lining from an aluminium reduction cell.
83.	132491	20-4-1972	Koninklijke Nederlandsche Gist & Spinfusfabriek N. V., of 1, Wateringseweg, Delft, The Netherlands.	Preparation of the antibiotic Mye 8003.
84.	132495	-do-	F. HOFFMANN LA ROCHE & CO., AG., of 124-184 Grenzacherstrasse, Basle, Switzerland.	Preparation of novel antibiotics.
85.	132545	-do-	INDIAN EXPLOSIVES LIMITED, of 34 Chowringhee, Calcutta-700071, India.	System for the preparation of thickened slurry explosives.
86.	132548	17-8-1971	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Soap synthetic detergent tablets.
87.	132564	18-8-1971	JOHNS MANVILLE CORPORATION, at 22 East, 42nd Street, New York-10016, State of New York, U.S.A.	Bonding thermosetting resins to polymeric resins and polyvinyl chloride pipe products.
88.	132576	19-8-1971	ALCAN RESEARCH AND DEVELOPMENT LIMITED of 1, Place Ville Marie, Montreal 101, Quebec, Canada.	Treating segregated material separated from a body of molten aluminium.
89.	132582	20-4-1972	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-1, India.	Production of fungal protease.
90.	132622	23-8-1971	UNIFOAM A. G., of Kircheveg 54, Pestgasse 21, Glarees, Switzerland.	Production of polymeric foam.
91.	132647	24-8-1971	HOECHST AKTIENGESELLSCHAFT, of 45 Brunningstrasse Frankfurt/Main, Federal Republic of Germany.	Preparation of water insoluble monoazo dyestuff's.
92.	132648	-do-	-do-	Preparation of monoazo pigments.
93.	132660	20-4-1971	ELILILLY & CO., of 307 East, Mc Carty Str, Indianapolis, Indiana, USA.	Inhibiting the hydrolysis of acetylsalicylic acid.
94.	132682	-do-	PFIZER INC., of 235 East, 42nd Str, New York, State of New York, United States of America.	Preparing α -sulfo and α -sulfoalkyl penicillins.
95.	132736	1-9-1971	USS ENGINEERS AND CONSULTANTS INC., of 600 Grant Str, Pittsburgh, State of Pennsylvania, U.S.A.	Method for preventing high temperature blistering of copper coatings electrodeposited as copper substrates.
96.	132748	-do-	HARIBWERKE HOECHST AKTIENGESELLSCHAFT, of 45 Brunningstrasse, Frankfurt/Main, Federal Republic of Germany.	Wet grinding of pigments.
97.	132749	1-9-1971	SANKYO CO. LTD., and Ube Industries Ltd., of Japan.	Preparation of n-substituted tetrachlorophthalamic acid derivatives.
98.	132766	3-9-1971	UOP INC., at 10 UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Improved hydrocarbon separation.

1	2	3	4	5
99.	132782	4-9-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Preparing an improved catalyst for producing oxirane compounds.
100.	132798	6-9-1971	PHILLIPS PETROLEUM CO., of Bontlesville, Oklahoma, U.S.A.	Propylene copolymers.
101.	132799	-do-	TEXACO DEVELOPMENT CORPORATION, of 135 East, 42nd Str., New York-10017, State of New York, U.S.A.	Catalytic cracking of naptha.
102.	132810	7-9-1971	UNION CARBIDE CORPORATION, of 270, Park Avenue, New York, State of New York-10017, U.S.A.	Absorption purification process.
103.	132812	-do-	UGINE KUHLMANN, of 10 Rue de Genral Foy, Paris, France.	Permeable unit for supporting reagent or a catalyst.
104.	132825	-do-	HOECHST AKTIENGESELLSCHAFT, of 45 Brunningstrasse, Frankfurt/ Main, Federal Republic of Germany.	Manufacture of white or colour resists under pathalocyanin dyestuffs.
105.	132827	8-9-1971	SOLVAY & CIE, of 33 Rue Du Prince Albert, B/1050, Brussels, Belgium.	Process for polymerisation of olefins.
106.	132828	-do-	-do-	-do-
107.	132830	-do-	-do-	-do-
108.	132833	-do-	CIBA-GEIGY AG., of 141 Klybeckstrasse, Basle, Switzerland	Manufacture of new diazo pigments.
109.	132840	-do-	KONINKLIJKE NEDERLANDSCHE HOOGOVENSEN STAALFABRIEKEN N. V. of IJmuiden, The Netherlands.	Apparatus for the manufacturing of roasted, baked or sintered ore pellets.
110.	132841	-do-	-do-	A Method for manufacturing baked pellets.
111.	132854	9-9-1971	TOYO ENGINEERING CORPORATION of 2-5, 3-Chome, Kasumigasaki Chiyoda-Ku, Tokyo, Japan.	Manufacturing gases mixtures rich in hydrogen.
112.	132858	-do-	KONINKLIJKE NEDERLANDSCHE HOOGOVENS EN STAALFABRIEKEN N. V., of IJmuiden, The Netherlands.	Manufacture of ore pellets.
113.	132876	20-4-1972	CHINOIN GYOGYSZER-ES VEGYES-ZETI TERMEKEK GYARA RT., a Hungarian Body Corporate, of 1-5, To utca, Budapest IV, Hungary.	Preparation of New theophylline isobutyrate salts.
114.	132878	13-9-1971	UNION CARBIDE CORPORATION, of 270 Park Avenue, New York, State of New York-10017, U.S.A.	Separating normal paraffins from admixture with non-normal hydrocarbons.
115.	132880	-do-	UNITED STATES BORAX AND CHEMICAL CORPORATION, of 3075, Wilshire Boulevard, Los Angeles, California.	Method of preparing alkoxy dinitro-aniline compounds.
116.	132894	19-8-1972	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rali Marg, New Delhi-1, India.	Lithographic aluminium plates.
117.	132904	14-9-1971	FARBWERKE HOECHST AG., of 45 Brunningstrasse, Frankfurt/Main, 80, Federal Republic of Germany.	Production of fluorescent dyed polyvinyl chloride articles.
118.	132907	20-4-1972	THE UPJOHN COMPANY, of 301, Henrietta Str. Kalamazoo, Michigan, U.S.A.	Preparing antibiotic lincomycin.
119.	132916	15-9-1971	JOHN LYSAGHT INTERNATIONAL HOLDINGS S. A., of Cuba Avenue, 33a-4, Panama, Republic of Panama.	Improvements in or relating to lead-zinc wet flux galvanising process.
120.	132926	16-9-1971	EXXON RESEARCH & ENGINEERING CO., of Linden, New Jersey, United States of America.	Chilling a solution of a waxy oil in a liquid gaseous dewaxing solvant for crystallising wax in filterable form.
121.	132929	-do-	SHERRITT CORDON MIMES LTD., of 25 Kings Str. Toronto, Ontario, Canada.	Preparing nickeliferous laterites for reduction.
122.	132930	16-9-1971	FARBWERKE HOECHST A.G., 45 Brunningstrasse, Frankfurt/Main, Federal Republic of Germany.	Manufacture of water soluble fibre-reactive disazo dyestuffs.

1	3	4	5
123.	132931	16-9-1971	TEXACO DEVELOPMENT CORPORATION, of 135 East, 42nd Str. New York, State of New York-10017, USA. Manufacture of water soluble fibre-reactive diazo dyestuffs and their metal complex compounds.
124.	132944	17-9-1971	MARATHON OIL COMPANY, of 539, South Main Str. Findlay, Ohio, 45840, USA. Obtaining a predetermined salt concentration within an aqueous solution using metallic dispersions.
125.	132969	20-9-1971	SHERRITT GORDON MINES LTD., of 25, Kings Str., Toronto, Ontario, Canada. Thickener.
126.	132995	21-9-1971	SNAMPROGETTI S.p.A., of 16 Corso Venezia, Milan, Italy. Production of a reducing gas for blast furnace.
127.	133022	23-9-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands. Decomposition of uncovered organic peroxy compounds present in the reaction product.
128.	133053	25-9-1971	INDIAN PETROCHEMICALS CORPORATION LIMITED, at P. O. Petrochemicals, Dist Baroda-391346, Gujarat, India. Manufacture of acrylonitrile & methacrylonitrile.
129.	133058	-do-	TEXAS U. S. CHEMICAL COMPANY, at 61215, Main Str. Part Naches, Texas 77651, U.S.A. Preparation of butadiene polymers.
130.	133066	1-10-1971	BENTLITE CORPORATION OF AMERICA, at 233, Broadway, New York, State of New York, U.S.A. Pre-leaching or reduction treatment in the beneficition of titaniferous iron ores.
131.	133097	4-10-1971	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20. Extraction of protein from protein bearing sced.
132.	133106	20-4-1972	PFIZER INC., of 235 East, 42nd Str. New York, State of New York, United States of America. Preparing 4-amino-6-arylpyrimidine.
133.	133107	4-10-1971	PHILLIPS PETROLEUM COMPANY, of Bartlesville, Oklahoma, USA. Alkylation of isoparaffin with ethylene and higher olefin.
134.	133118	5-10-1971	THE LUBRIZOL CORPORATION, of Cleveland, Ohio 44117, USA. Preparation of n-acylated aminosulfonic acids and derivatives.
135.	133137	6-10-1971	FARBWERKE HOECHST AKTIENGESELLSCHAFT, of 45 Brunnengasse Frankfurt/Main 80 Federal Republic of Germany. Preparing water soluble monoazo dyestuffs
136.	133138	-do-	-do- Preparation of novel water-insoluble mono azo dyestuffs.
137.	133139	-do-	-do- Manufacture of metal complex monoazo dyestuffs.
138.	133146	-do-	KONINKLIJKE NEDERLANDSCHE HOOGOOVENS EN STAALFABRIEKEN N. V., of IJmuiden, The Netherlands. Communicating dry material by crushing, grinding or milling
139.	133172	-do-	ETAT FRANCAIS, of 4 Avenue de la Poste de Issy Paris 15, France. Manufacture of phosgene.
140.	133176	8-10-1971	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20. Cosmetic total sunscreen composition.
141.	133233	14-10-1971	THE MEAD CORPORATION, of Talc-bolt Tower, Dayton, Ohio, 45402, USA. Improved oxidation process
142.	133241	15-10-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands. Process for the production of methanol.
143.	133273	20-4-1972	GENERAL ELECTRIC CO., at 1 River Road, Schenectady, New York, USA Preparation of rare earth oxyhalide phosphors of reduced after glow.
144.	133280	-do-	PFIZER INC., of 235 East, 42nd Str. New York, State of New York, USA. Preparing substituted imidazoles.

RENEWAL FEES PAID

91289 91408 92572 92561 92631 92988 94262 94267 94544
 94680 95561 96478 96784 97033 97605 97983 97984 98173
 98383 98421 98443 98489 98724 98571 98582 98634 99385
 99550 101001 101468 101845 101936 102060 102061 102062
 102063 102064 102065 102066 102067 102068 102069 102070
 102071 103299 103430 103939 104035 104043 104108 105780
 105811 106373 106571 106765 106854 106939 107414 107740
 108343 108854 109464 109526 109614 109770 109844 109919
 111172 111420 111840 112845 113506 113643 113744 113763
 113932 113945 114246 114247 114553 114626 114803 114814
 114945 114962 115053 115054 115062 115080 115082 115083
 115092 115093 115111 115112 115146 115147 115187 115788
 115789 116437 116649 116816 117515 117554 117646 117843
 118478 119163 119189 119346 119885 119943 119957 120018
 120128 120156 120158 120165 120253 120300 120343 120402
 120527 120826 121709 121710 122717 122720 122766 122928
 123050 123092 13163 123458 123878 124335 124510
 124812 124893 125220 125305 125334 125383 125542 125555
 125655 125656 125686 125708 125724 125898 126195 126440
 126663 126708 127104 127439 128374 128381 128634 129192
 129854 129855 129926 130026 130320 130440 130489 130574
 130586 130587 130590 130650 130651 130670 130671 130674
 130690 130743 131922 132011 132261 132414 132643 133158
 133260 133319 133631 133941 133960 134052 134169 134170
 134186 134265 134293 134321 134377 134393 134445 134720
 134721 134782 134788 134800 134827 134828 134879 134881
 134929 134962 135015 135039 135491 135494 135508 135572
 136054 136200 136758 136811 136858 136933 137072 137385
 137408 137410 137522 137667 137966 138002 138028 138064
 138065 138162 138201 138363 138395 138443 138528 138549
 138576 138618 138623 138648 138675 138946 138953 138990
 139039 139051 139100 139170 139188 139193 139242 139245

139260 139261 139269 139284 139361 139408 139454 139524
 139555 139559 139656 139672 139711 139720 139771 139772
 139774 139846 139943 139951 139962 139965 140090 140116
 140142 140147 140172 140293 140345 140372 140386 140432
 140449 140483 140518 140521 140524 140529 140534 140586
 140616 140639 140646 140648 140695 140737 140798 140818
 140916 140951 141007 141034 141084 141129 141249 141282
 141284 141294 141322 141327 141405 141595 141616 141716
 141744 141730 141784 141828 141830 141840 141967 142001
 142053 142057 142094 142133 142168 142226 142320 142465
 142469 142475 142476 142533 142554 142556 142558 142559
 142561 142576 142596 142600 142604 142613 142684 142685
 142740 142801 142803 142851 142866 142900 142903 142909
 142995 143004 143008 143106 143137 143197 143246 143266
 143268 143269 143273 143286 143287 143290 143315 143320
 143322 143324 143332 143333 143349 143356 143361 143364
 143379 143421 143467 143481 143495 143534 143536 143541
 143545 143546 143560 143565 143592 143598 143602 143665
 143667 143673 143701 131508 134702 134703 136324.

CESSATION OF PATENTS

123676 123686 123695 123701 123704 123711 123723 123729
 123751 123756 123761 123764 123774 123776 123780 123781
 123786 123801 123802 123824 123825 123829 123834 123840
 123841 123848 123850 123859 123868 123869 123873 123886
 123888 123893 123915 123916 123917 123919 123920 123931
 123949 123968 123974 123975 123984 123985 123991 124009
 124027 124029 124032 124043 124046 124053 124058 124071
 124084 124085 124095 124099 124120 124122 124133.

DR. S. VEDARAMAN
 Controller-General of Patents,
 Designs and Trade Marks.

